ISA-GPIB/lc

Low Cost IEEE-488.2 Interface and Driver Software for ISA Bus Computers

Features

IEEE 488.2 Standard interface
Complete Talker/Listener/Controller
Uses the new industry standard CB7210.2
Industry Standard 8 Bit ISA Bus
Data transfer rates over 300K bytes/sec
RF shielded IEEE-488 cable connector
6 Interrupt lines, Shared interrupt capability
Transparent interrupt enabling/disabling

Includes GPIB-Library complete software support

DESCRIPTION

The ISA-GPIB/lc IEEE-488 interface converts any ISA bus personal computer into an instrumentation control and data acquisition system. Connect up to 14 instruments using standard IEEE-488 cables such as the C488-2M, 2 meter IEEE-488 interface cable.

The ISA-GPIB/lc is designed around the new industry standard CB7210.2 GPIB chip.

Greater than 300MB/s Transfer Rates

The ISA-GPIB/lc transfers data over the GPIB at rates in excess of 300 Kbytes per second. Full DMA and interrupt structures provide all the horsepower required to achieve these rates.

The CB7210.2 IEEE-488 controller combined with the DMA interface are able to keep pace with the transfer of information to and from instruments at rates in excess of 300 Kbytes per second. The CB7210.2 is able to communicate directly with the DMA circuitry since the GPIB bus, CB7210.2 and ISA (XT) bus are all eight bit based.

Worried that you may need more than 300KB/s? Consider that most GPIB instruments will not transfer data faster than the ISA-GPIB/LC will, and that most applications are simple, low speed stimulus/test/log systems. The ISA-GPIB/LC is more than fast enough for most applications and saves money in cases where many test stands are being deployed.

IEEE-488.2 (GPIB) Compatibility

The ISA-GPIB/lc adheres to ANSI/IEEE Standard 488-1978. Often referred to as the IEEE-488.2 bus, GPIB bus or HP-IB bus, the GPIB (**G**eneral **P**urpose **I**nterface **B**us) is a standard for instrumentation communication and control for instruments from manufacturers the world over. The GPIB provides handshaking and interface communications over an 8 bit data bus employing 5 control and 3 handshake signals.

Equipped with a ISA-GPIB/lc, a personal computer can:

Control GPIB instruments.
Gather data from GPIB test equipment.
Become a data acquisition station in a GPIB system.

One switch, no jumpers

The ISA-GPIB/lc is so easy to install. Select a base address, plug in the ISA-GPIB/lc and run the installation software then start communicating. The installation software automatically configures the interrupt level and DMA level of the ISA-GPIB/lc.

Windows 95, Windows 3.1 and DOS Compatibility

The ISA-GPIB/lc hardware supports all the operating systems and languages. Your programs run without modifications required to the GPIB-Library commands. The language interface is standard for a given language in all operating systems.

Specifications

The ISA-GPIB/lc is compatible with IEEE-488.1 and IEEE-488.2 specifications.

Transfer Rate	>300K byte/sec
Power	5VDC @ 300mA Typical
	Dimensions
I/O Connector	IEEE-488 Standard 24 pin
Operating Temp. & Hum.	0-60 Degrees C @ 10-90%
Storage Temp. & Hum.	-40 to 100 Degrees C @ 5-90%